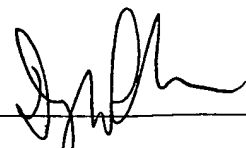


FORM PTO-1390 (REV 10-94)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 10873.1662USWO
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) Unknown <b>10/532322</b>
INTERNATIONAL APPLICATION NO. PCT/JP2003/013520	INTERNATIONAL FILING DATE 23 October 2003	PRIORITY DATE CLAIMED 24 October 2002	
TITLE OF INVENTION SEPARATOR FOR ORGANIC ELECTROLYTE BATTERY, PROCESS FOR PRODUCING THE SAME AND ORGANIC ELECTROLYTE BATTERY INCLUDING THE SEPARATOR			
APPLICANT(S) FOR DO/EO/US YAMAMOTO, et al.			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).</li> <li><input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li><input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> have been transmitted by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input checked="" type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input checked="" type="checkbox"/> A signed oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li><input checked="" type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>			
<b>Items 11. to 16. below concern document(s) or information included:</b>			
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98, Form 1449, references.			
12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.			
13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.			
14. <input type="checkbox"/> A substitute specification.			
15. <input type="checkbox"/> A change of power of attorney and/or address letter.			
16. <input checked="" type="checkbox"/> Other items or information: Credit Card Authorization, Application Data Sheet, Change of Address, Communication Regarding Requested Figure, Communication Under 37 CFR 1.32(c)(3), International Publication Page, Form PCT/ISA/210, Form PCT/IPEA/409, Article 19 Amendment filed on April 1, 2004, English Translation of Article 34 Amendment, Reply to Written Opinion, Form PCT/IB/304, Form PCT/IB/308			

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
Unknown <b>10/532322</b>		PCT/JP3003/013520		23 October 2003	
<b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b>					
[X] a) Basic National fee.....				\$300.00	\$300.00
[X] b) Examination fee.....				\$200.00	\$200.00
[X] c) Search fee.....				\$500.00	\$500.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1000.00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		Rate	
-100 =	/50 =			X \$250.00	\$
Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	32 -20 =	12	X \$50.00	\$600.00	
Independent claims	2 -3 =	0	X \$200.00	\$0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1600.00	
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27				\$	
<b>SUBTOTAL =</b>				\$1600.00	
Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$
<b>TOTAL NATIONAL FEE =</b>				\$1600.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$1640.00
<b>TOTAL FEES ENCLOSED =</b>				\$	
				Amount to be refunded	\$
				charged	\$1640.00
<p>a. [ ] Check(s) in the amount of \$_____ to cover the above fees is enclosed.</p> <p>b. [X] Please charge the amount of \$1640 to cover the required filing fee for a large entity to the credit card listed on the enclosed credit card authorization form.</p> <p>c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3478.</p>					
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>					
<p>SEND ALL CORRESPONDENCE TO:          Douglas P. Mueller          Hamre, Schumann, Mueller &amp; Larson, P.C.          P.O. Box 2902-0902          Minneapolis, MN 55402</p>					
				SIGNATURE:	
				NAME:	Douglas P. Mueller
				REGISTRATION NUMBER:	30,300

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: YAMAMOTO

JC13 Rec'd PCT/PTO 22 APR 2005

Docket: 10873.1662USWO

Title: SEPARATOR FOR ORGANIC ELECTROLYTE BATTERY, PROCESS FOR  
PRODUCING THE SAME AND ORGANIC ELECTROLYTE BATTERY  
INCLUDING THE SEPARATOR

**CERTIFICATE UNDER 37 CFR 1.10:**

"Express Mail" mailing label number: ED 769610819 US

Date of Deposit: April 22, 2005

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450.

By: 

Name: Raquel M. Zamorano-Carey

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

We are transmitting herewith the attached:

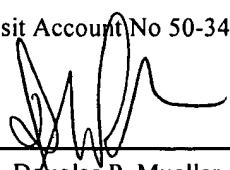
- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ National Stage PCT Patent Application: Spec. 46 pgs; 32 claims; Abstract 1 pgs.  
The fee has been calculated as shown below in the 'Claims as Filed' table.
- ☒ 8 sheets of formal drawings
- ☒ A signed Combined Declaration and Power of Attorney
- ☒ Assignment of the invention to Daiwabo Co., Ltd., Recordation Form Cover Sheet
- ☒ Please charge the amount of \$1640 to cover the Filing Fee and Assignment Recording Fee to the credit card listed on the enclosed credit card authorization form.
- ☒ Application Data Sheet, 4 pages.
- ☒ Other: Form PTO-1390, Credit Card Authorization, Change of Address, Communication Regarding Requested Figure, Communication Under 37 CFR 1.32(c)(3), International Publication Page, Form PCT/ISA/210, Form PCT/IPEA/409, Article 19 Amendment filed on April 1, 2004, English Translation of Article 34 Amendment, Reply to Written Opinion, Form PCT/IB/304, Form PCT/IB/308
- ☒ Return postcard

**CLAIMS AS FILED**

Number of Claims Filed	No.	In Excess of	Extra	Rate	Fee
<b>Total Claims</b>	32	20	12	50.00	= 600.00
<b>Independent Claims</b>	1	3	0	200.00	= 0.00
<b>Multiple Dependent Claims Fee</b>					= 0.00
<b>Basic Filing Fee</b>					= 300.00
<b>Search Fee</b>					= 500.00
<b>Examination Fee</b>					= 200.00
<b>Utility Application Size Fee</b>		100		250.00	=
<b>Total</b>					= 1600.00

Please charge any additional fees or credit overpayment to Deposit Account No 50-3478. A duplicate of this sheet is enclosed.

Hamre, Schumann, Mueller & Larson, P.C.  
P.O. Box 2902-0902 Minneapolis, MN 55402  
612.455-3800

By:   
Name: Douglas P. Mueller  
Reg. No.: 30,300  
Initials: DPM/pjk

**52835**

PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)

S/N Unknown

JC13 Rec'd PCT/PTO 10/532322  
PATENT 22 APR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: YAMAMOTO, et al. Examiner: Unknown  
Serial No.: Unknown Group Art Unit: Unknown  
Filed: Herewith Docket: 10873.1662USWO  
Title: SEPARATOR FOR ORGANIC ELECTROLYTE BATTERY,  
PROCESS FOR PRODUCING THE SAME AND ORGANIC  
ELECTROLYTE BATTERY INCLUDING THE SEPARATOR

CERTIFICATE UNDER 37 CFR 1.10

Express Mail mailing label number: ED 769610819 US

Date of Deposit: April 22, 2005

I hereby certify that the papers listed below are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

By: 

Name: Raquel M. Zamorano-Carey

CHANGE OF ADDRESS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Please change the correspondence address for the above-referenced patent application to:

Hamre, Schumann, Mueller & Larson, P.C.  
P.O. Box 2902-0902  
Minneapolis, MN 55402

If there are any questions regarding this matter, please call the undersigned at  
612.455.3800.

Respectfully submitted,

HAMRE, SCHUMANN, MUELLER &  
LARSON, P.C.  
P.O. Box 2902-0902  
Minneapolis, MN 55402-0903  
(612) 455-3800

Dated: April 22, 2005

By: 

Douglas P. Mueller  
Reg. No. 30,300

DPM/pjk

**52835**

PATENT TRADEMARK OFFICE

S/N Unknown

10/532322  
JC13 Rec'd PCT/PTO 22 APR 2005  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: YAMAMOTO, et al. Examiner: Unknown  
Serial No.: Unknown Group Art Unit: Unknown  
Filed: Herewith Docket: 10873.1662USWO  
Title: SEPARATOR FOR ORGANIC ELECTROLYTE BATTERY, PROCESS  
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By: 

Name: Raquel M. Zamorano-Carey

COMMUNICATION UNDER 37 C.F.R. §1.32(c)(3)

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

Pursuant to 37 C.F.R. §1.32 (c)(3) please appoint the following 10 practitioners named in the Power of Attorney to be recognized by the U.S. Patent Office as being of record in the above-identified application:

James A. Larson (40,443)  
Douglas P. Mueller (30,300)

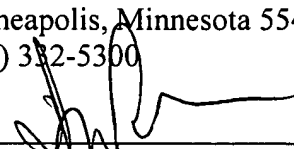
Curtis B. Hamre (29,165)  
Michael D. Schumann (30,422)

The undersigned was named on the Power of Attorney.

Respectfully submitted,

MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, Minnesota 55402-0903  
(612) 332-5300

Dated: April 22, 2005

By:   
Douglas P. Mueller  
Reg. No. 30,300

DPM/pjk

**52835**  
PATENT TRADEMARK OFFICE